

Appendix J. Survey of Borough Residents

As a result of public meetings held in the Borough in October 2003, the Department decided to conduct a survey of Borough residents to determine their support for the bridge and the various options, and to assess current travel patterns. Between January 2 and January 5, 2004, 172 households in King Salmon and Naknek were surveyed by telephone. Respondents were selected through a combination of random-digit-dial methodology and an Internet phone directory number search. Thirty-five households out of 36 households in South Naknek responded to a written survey distributed by the South Naknek Tribal Council in February, 2004. This appendix contains the results of the surveys. At a public meeting in March 2004 it was requested that we provide information on support for the bridge by community. Figure 2 through Figure 4 summarize the information on residents' support for the various scenario/options.

Respondents were asked if they support or oppose the construction of a bridge over the Naknek River under the following conditions:

- 1) Unconditionally
- 2) If South Naknek Airport was closed
- 3) If Naknek Airport was closed
- 4) If both South Naknek and Naknek Airports were closed
- 5) If both airports remained open but Bristol Bay Borough provided maintenance and operation costs (respondents were provided an estimate of this amount)

Local residents generally support the bridge, with lesser support if individual airports are closed or the Bristol Bay Borough operates the airports. Only when both airports are closed does public support fall below 50 percent for the Borough as a whole. South Naknek residents support the bridge under any option.

Following the graphics for each community is the information from the telephone survey in King Salmon and Naknek, followed by information on the survey in South Naknek.

Figure 1. Borough Residents Support or Oppose a Bridge if...

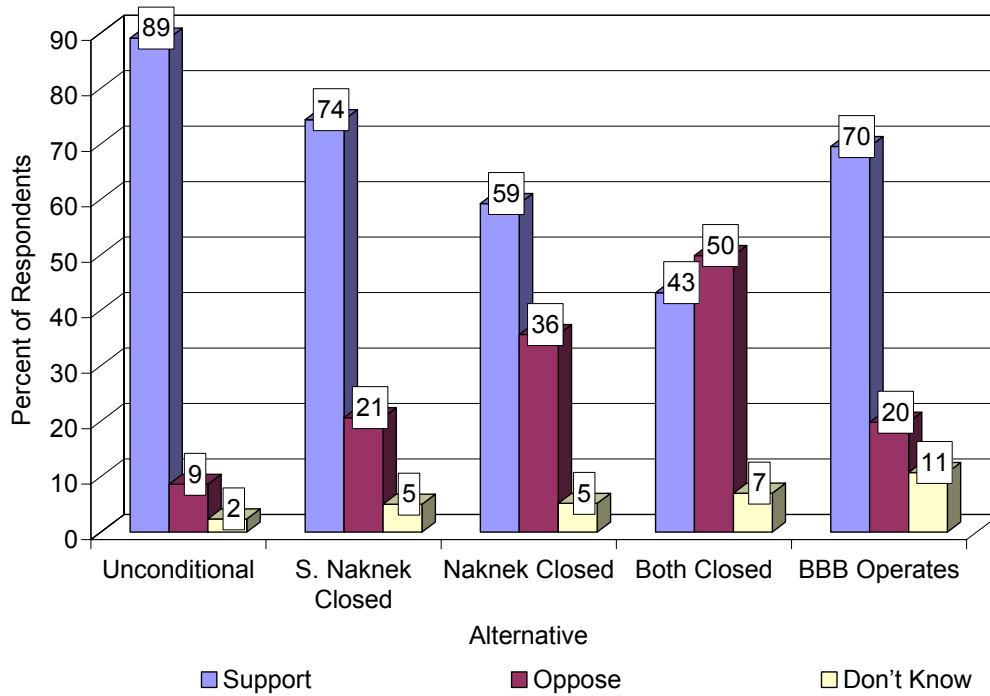


Figure 2. King Salmon Residents Support or Oppose a Bridge if...

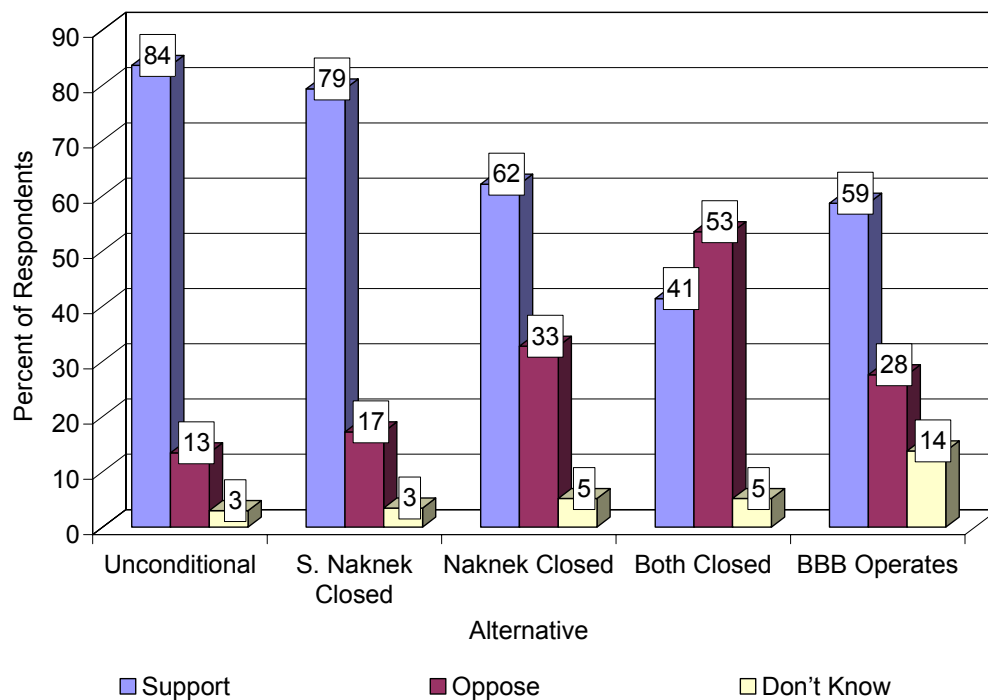


Figure 3. Naknek Residents Support or Oppose a Bridge if...

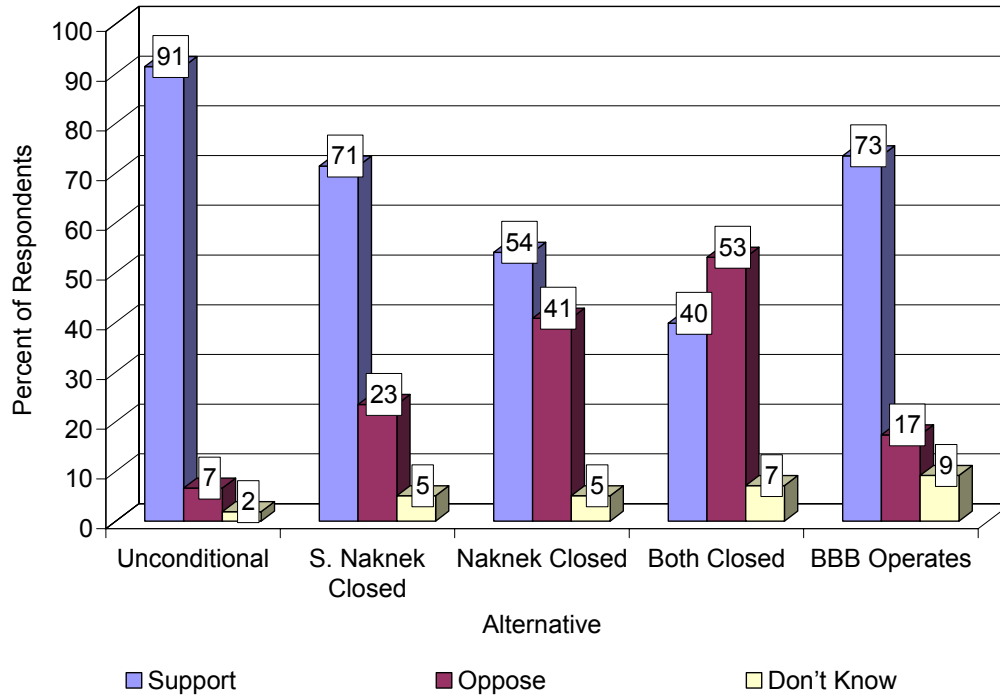
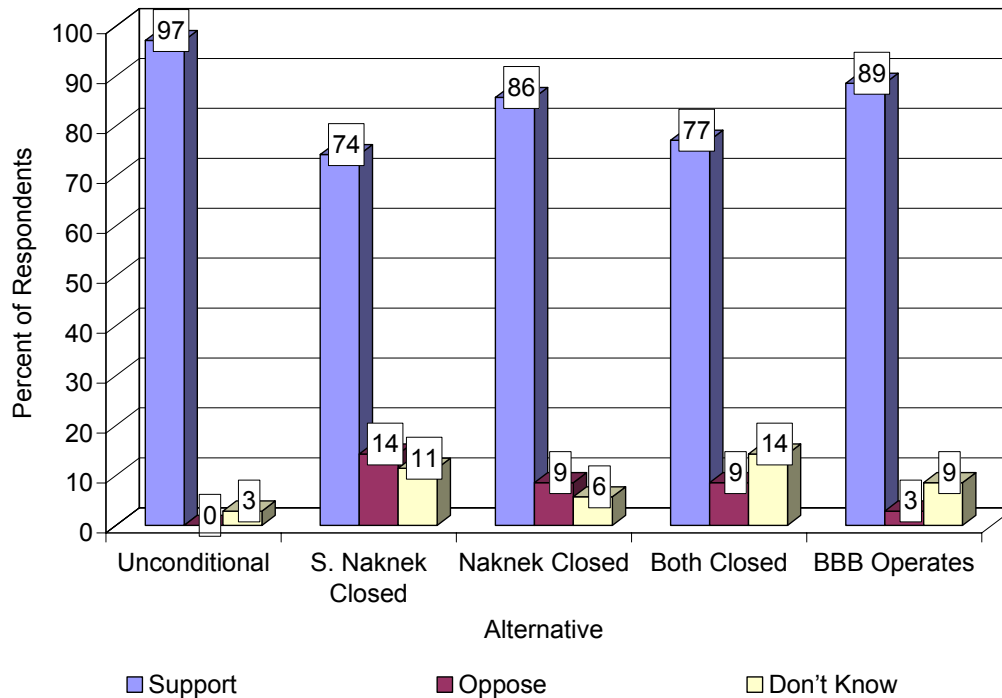


Figure 4. South Naknek Residents Support or Oppose a Bridge if...



EXECUTIVE SUMMARY

King Salmon-Naknek profile

Demographics

61.0% of respondents live in Naknek, 39.0% in King Salmon

Average household size - 2.6 (1.8 adults and 0.8 children)

Median respondent age – 47

Marital status – 61.6% married

Mean household income - \$60,600

Respondent gender – 54.1% male, 45.9% female

Travel profile

Respondent mean personal roundtrips to South Naknek:

Mode of travel	Mean roundtrips
Air taxi	4.11
Private plane	4.26
Skiff or boat	7.23
Snowmachine	0.34
Other vehicle	0.26
TOTAL	16.21

Household mean roundtrips to South Naknek:

Mode of travel	Mean roundtrips
Air taxi	8.27
Private plane	13.84
Skiff or boat	16.49
Snowmachine	0.99
Other vehicle	2.37
TOTAL	41.97

Population data

According to data provided by the Alaska Department of Community and Economic Development, population for the area surveyed is as follows:

Community	Population	Percent
King Salmon	442	39.5%
Naknek	678	60.5%
TOTAL	1120	100%

This is encouraging since it reflects our survey data distribution almost exactly.

Based on our average household size measured in this survey of 2.616, we can estimate the number of households in King Salmon – Naknek, as follows:

$$\text{King Salmon households} = 442 / 2.616 = 169$$

$$\text{Naknek households} = 678 / 2.616 = 259$$

Total cross-river travel

Using our estimate of the number of households in our survey area, we can extrapolate our mean travel totals to the total number of households, divided between King Salmon and Naknek residents, as follows:

Mode of travel	King Salmon	Naknek	Total
Air taxi	1,044	2,489	3,533
Private plane	3,169	2,774	5,943
Skiff or boat	1,683	5,354	7,037
Snowmachine	210	215	425
Other vehicle	921	106	1,027
TOTAL	7,027	10,948	17,965

It should be noted that these totals reflect **person-trips**, not vehicle-trips.

Air taxi trips

Mean number of household trips by air taxi = 8.27

Households with zero air taxi trips = 43.6% of households

Mean number of air taxi trips by 1+ trip households = $8.27 / (1 - 0.436) = 14.16$

Air taxi trips paid for by household = 9.52

Percent of all air taxi trips paid by household = 67.2%

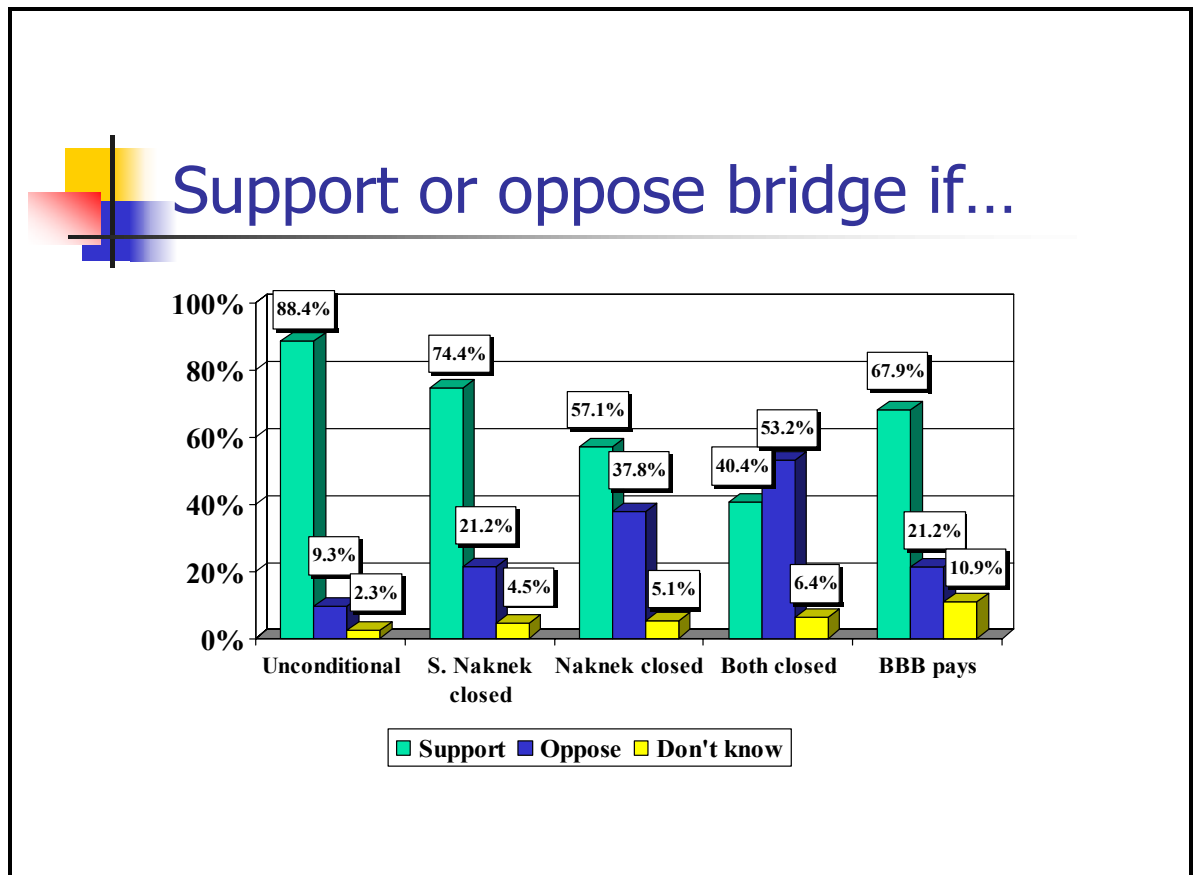
Mean amount paid per household for air taxi travel = \$325.87

Mean amount paid per trip = $\$325.87 / 9.52 = \34.23

Opinion on bridge

Respondents were asked if they support or oppose the construction of a bridge over the Naknek River under the following conditions:

- 1) Unconditionally
- 2) If South Naknek Airport was closed
- 3) If Naknek Airport was closed
- 4) If both South Naknek and Naknek Airports were closed
- 5) If both airports remained open but Bristol Bay Borough provided maintenance and operation costs



Support for a bridge is very strong, passing almost unanimously. It only fails in the event it results in the closure of both airports.

Thank you for the opportunity to conduct this research. We look forward to working together with you on other projects in the future. Any questions concerning the contents of this report should be directed to Ivan Moore at 907-278-4600 or by e-mail at ivan@ivanmoorererearch.com.

INTRODUCTION AND METHODOLOGY

This project was conducted January 2-5, 2004. One hundred seventy-two head of household respondents were surveyed in the communities of King Salmon and Naknek. Respondents were selected through a combination of random-digit-dial methodology and an Internet phone directory number search.

A sample size of 172 household respondents from the King Salmon-Naknek population (estimate of 428 households) yields frequency results for measured data that are subject to a maximum margin of error of $\pm 5.8\%$ at 95% confidence. In other words we can be 95% sure that our results differ from their true population proportions by no more than 5.8% on either side.

The area breakdown of the 172 respondents is as follows:

AREA	Frequency	Percent
King Salmon	67	39.0%
Naknek	105	61.0%

A decision was made not to statistically weight this data. The majority of the collected information is data related to the household as a whole, and as such should not be subject to a gender weight.

Fielding for this survey was conducted by telephone from our centralized facility in Anchorage. Collected data has been data entered, verified, checked for accuracy, coded, weighted and processed using SPSS, a standard statistical package for survey research. The elements of this report include an executive summary, the questionnaire in its final form collated with the frequency results for each question, and a crosstabulation section that breaks the sample down into core demographic groups.

Quality control measures were taken to ensure as high a response rate as possible for this study. These included supervision of interviewers, limitation of the calling set, repeated callbacks, post-interview interview quality control surveys, and calling at various times of day and evening over the course of the fielding period. As a result, we can be very confident of the accuracy of results within the statistical margin of error.

PUBLIC OPINION SURVEY

IVAN MOORE RESEARCH

Hello, my name is _____ and I'm calling for Ivan Moore Research, an Alaska public opinion research firm. We are conducting a public opinion survey in King Salmon and Naknek today that should take no more than a few minutes. Your opinions are important to us, and we'd appreciate your participation if that's OK with you.

S1. Is this a residential telephone?

IF "YES", CONTINUE...

IF "NO", TERMINATE...

S2. Are you a head of your household?

IF "YES", CONTINUE...

IF "NO", ASK FOR HEAD OF HOUSEHOLD...

1. Do you live in King Salmon, Naknek or South Naknek?

LOCATION OF RESIDENCE:		
	Count	%
King Salmon	67	39.0%
Naknek	105	61.0%

2A. How many persons aged 19 or over currently live at your residence?

NUMBER OF PERSONS AGED 19 OR OVER:		
	Count	%
1-2	154	89.5%
3 or more	18	10.5%

Mean = 1.837

2B. How many persons aged 18 or under currently live at your residence?

NUMBER OF CHILDREN AGED 18 OR UNDER:		
	Count	%
None	99	57.6%
1	27	15.7%
2	33	19.2%
3 or more	13	7.6%

Mean = 0.779

The main purpose of this survey is to measure your household's travel in the last year across the Naknek River from either King Salmon or Naknek over to South Naknek.

3A. How many times in the last 12 months have you traveled roundtrip across the river to South Naknek by air taxi?

	NUMBER OF PERSONAL AIR TAXI TRIPS IN THE PAST 12 MONTHS:	
	Count	%
None	90	52.3%
1-2 trips	27	15.7%
3-6 trips	27	15.7%
7+ trips	28	16.3%

Mean = 4.110

3C. How many roundtrips did you make in the last 12 months by private plane?

	NUMBER OF PERSONAL PRIVATE PLANE TRIPS IN THE PAST 12 MONTHS:	
	Count	%
None	132	76.7%
1-2 trips	13	7.6%
3-6 trips	11	6.4%
7+ trips	16	9.3%

Mean = 4.262

3D. How many roundtrips by skiff or other type of boat?

	NUMBER OF PERSONAL SKIFF OR BOAT TRIPS IN THE PAST 12 MONTHS:	
	Count	%
None	86	50.0%
1-2 trips	23	13.4%
3-6 trips	18	10.5%
7+ trips	45	26.2%

Mean = 7.227

3E. How many by snowmachine when the river was frozen?

	NUMBER OF PERSONAL SNOWMACHINE TRIPS IN THE PAST 12 MONTHS:	
	Count	%
None	158	91.9%
1-2 trips	8	4.7%
3-6 trips	3	1.7%
7+ trips	3	1.7%

Mean = 0.343

3F. And how many by some other type of vehicle when the river was frozen?

NUMBER OF PERSONAL TRIPS BY OTHER VEHICLE IN THE PAST 12 MONTHS:			Mean = 0.256
	Count	%	
None	156	90.7%	
1-2 trips	7	4.1%	
3-6 trips	9	5.2%	

4A. OK, now I'd like you to think about all the rest of the people in your household starting with the oldest person. OK?

How many roundtrips did this person make across the river by _____?

AIR TAXI:

NUMBER OF AIR TAXI TRIPS BY PERSON #2:		
	Count	%
None	75	55.6%
1-2 trips	17	12.6%
3-6 trips	31	23.0%
7+ trips	12	8.9%

PRIVATE PLANE:

NUMBER OF PRIVATE PLANE TRIPS BY PERSON #2:		
	Count	%
None	104	77.0%
1-2 trips	7	5.2%
3-6 trips	11	8.1%
7+ trips	13	9.6%

SKIFF OR OTHER BOAT:

NUMBER OF SKIFF OR BOAT TRIPS BY PERSON #2:		
	Count	%
None	74	54.8%
1-2 trips	15	11.1%
3-6 trips	14	10.4%
7+ trips	32	23.7%

SNOWMACHINE:

NUMBER OF SNOWMACHINE TRIPS BY PERSON #2:		
	Count	%
None	122	90.4%
1-2 trips	5	3.7%
3-6 trips	4	3.0%
7+ trips	4	3.0%

OTHER VEHICLE:

	NUMBER OF OTHER VEHICLE TRIPS BY PERSON #2:	
	Count	%
None	126	93.3%
1-2 trips	5	3.7%
3-6 trips	3	2.2%
7+ trips	1	.7%

Now the next oldest person. OK?

AIR TAXI:

	NUMBER OF AIR TAXI TRIPS BY PERSON #3:	
	Count	%
None	52	68.4%
1-2 trips	11	14.5%
3-6 trips	7	9.2%
7+ trips	6	7.9%

PRIVATE PLANE:

	NUMBER OF PRIVATE PLANE TRIPS BY PERSON #3:	
	Count	%
None	64	85.3%
1-2 trips	2	2.7%
3-6 trips	4	5.3%
7+ trips	5	6.7%

SKIFF OR OTHER BOAT:

	NUMBER OF SKIFF OR BOAT TRIPS BY PERSON #3:	
	Count	%
None	44	58.7%
1-2 trips	6	8.0%
3-6 trips	10	13.3%
7+ trips	15	20.0%

SNOWMACHINE:

	NUMBER OF SNOWMACHINE TRIPS BY PERSON #3:	
	Count	%
None	71	94.7%
1-2 trips	2	2.7%
3-6 trips	1	1.3%
7+ trips	1	1.3%

OTHER VEHICLE:

	NUMBER OF OTHER VEHICLE TRIPS BY PERSON #3:	
	Count	%
None	69	92.0%
1-2 trips	2	2.7%
3-6 trips	3	4.0%
7+ trips	1	1.3%

Now the next oldest person. OK?

AIR TAXI:

	NUMBER OF AIR TAXI TRIPS BY PERSON #4:	
	Count	%
None	32	65.3%
1-2 trips	6	12.2%
3-6 trips	7	14.3%
7+ trips	4	8.2%

PRIVATE PLANE:

	NUMBER OF PRIVATE PLANE TRIPS BY PERSON #4:	
	Count	%
None	39	79.6%
1-2 trips	2	4.1%
3-6 trips	4	8.2%
7+ trips	4	8.2%

SKIFF OR OTHER BOAT:

	NUMBER OF SKIFF OR BOAT TRIPS BY PERSON #4:	
	Count	%
None	30	61.2%
1-2 trips	5	10.2%
3-6 trips	5	10.2%
7+ trips	9	18.4%

SNOWMACHINE:

	NUMBER OF SNOWMACHINE TRIPS BY PERSON #4:	
	Count	%
None	47	95.9%
1-2 trips	1	2.0%
3-6 trips	1	2.0%

OTHER VEHICLE:

	NUMBER OF OTHER VEHICLE TRIPS BY PERSON #4:	
	Count	%
None	47	95.9%
3-6 trips	1	2.0%
7+ trips	1	2.0%

Now the next oldest person. OK?

AIR TAXI:

	NUMBER OF AIR TAXI TRIPS BY PERSON #5:	
	Count	%
None	6	42.9%
1-2 trips	4	28.6%
3-6 trips	3	21.4%
7+ trips	1	7.1%

PRIVATE PLANE:

	NUMBER OF PRIVATE PLANE TRIPS BY PERSON #5:	
	Count	%
None	9	64.3%
1-2 trips	1	7.1%
3-6 trips	1	7.1%
7+ trips	3	21.4%

SKIFF OR OTHER BOAT:

	NUMBER OF SKIFF OR BOAT TRIPS BY PERSON #5:	
	Count	%
None	7	50.0%
3-6 trips	2	14.3%
7+ trips	5	35.7%

SNOWMACHINE:

	NUMBER OF SNOWMACHINE TRIPS BY PERSON #5:	
	Count	%
None	12	85.7%
1-2 trips	1	7.1%
3-6 trips	1	7.1%

OTHER VEHICLE:

NUMBER OF OTHER VEHICLE TRIPS BY PERSON #5:		
	Count	%
None	13	92.9%
3-6 trips	1	7.1%

Now the next oldest person. OK?

AIR TAXI:

NUMBER OF AIR TAXI TRIPS BY PERSON #6:		
	Count	%
None	1	25.0%
1-2 trips	1	25.0%
3-6 trips	2	50.0%

PRIVATE PLANE:

NUMBER OF PRIVATE PLANE TRIPS BY PERSON #6:		
	Count	%
None	3	75.0%
3-6 trips	1	25.0%

SKIFF OR OTHER BOAT:

NUMBER OF SKIFF OR BOAT TRIPS BY PERSON #6:		
	Count	%
None	1	25.0%
3-6 trips	1	25.0%
7+ trips	2	50.0%

SNOWMACHINE:

NUMBER OF SNOWMACHINE TRIPS BY PERSON #6:		
	Count	%
None	3	75.0%
3-6 trips	1	25.0%

OTHER VEHICLE:

NUMBER OF OTHER VEHICLE TRIPS BY PERSON #6:		
Count	%	
None	3	75.0%
3-6 trips	1	25.0%

Now the next oldest person. OK?

AIR TAXI:

NUMBER OF AIR TAXI TRIPS BY PERSON #7:		
Count	%	
7+ trips	1	100.0%

PRIVATE PLANE:

NUMBER OF PRIVATE PLANE TRIPS BY PERSON #7:		
Count	%	
3-6 trips	1	100.0%

SKIFF OR OTHER BOAT:

NUMBER OF SKIFF OR BOAT TRIPS BY PERSON #7:		
Count	%	
3-6 trips	1	100.0%

SNOWMACHINE:

NUMBER OF SNOWMACHINE TRIPS BY PERSON #7:		
Count	%	
None	1	100.0%

OTHER VEHICLE:

NUMBER OF OTHER VEHICLE TRIPS BY PERSON #7:		
Count	%	
3-6 trips	1	100.0%

THE FOLLOWING VARIABLES HAVE BEEN CALCULATED FROM THE MEASURED DATA:

	TOTAL AIR TAXI TRIPS:	
	Count	%
None	75	43.6%
1-2 trips	18	10.5%
3-6 trips	29	16.9%
7+ trips	50	29.1%

Mean = 8.273

	TOTAL PRIVATE PLANE TRIPS:	
	Count	%
None	122	70.9%
1-2 trips	14	8.1%
3-6 trips	11	6.4%
7+ trips	25	14.5%

Mean = 13.843

	TOTAL SKIFF OR BOAT TRIPS:	
	Count	%
None	76	44.2%
1-2 trips	13	7.6%
3-6 trips	20	11.6%
7+ trips	63	36.6%

Mean = 16.494

	TOTAL SNOWMACHINE TRIPS:	
	Count	%
None	153	89.0%
1-2 trips	5	2.9%
3-6 trips	6	3.5%
7+ trips	8	4.7%

Mean = 0.988

	TOTAL OTHER VEHICLE TRIPS:	
	Count	%
None	155	90.1%
1-2 trips	2	1.2%
3-6 trips	11	6.4%
7+ trips	4	2.3%

Mean = 2.372

	TOTAL HOUSEHOLD TRIPS:	
	Count	%
None	40	23.3%
1-15 trips	67	39.0%
16+ trips	65	37.8%

Mean = 41.971

(INTERVIEWERS: FOR THE NEXT QUESTION, TOTAL UP ALL AIR TAXI TRIPS MADE BY ALL MEMBERS OF THE HOUSEHOLD COMBINED...)

5A. OK, you reported a total of ____ trips made by your household by air taxi. How many of these trips would you estimate were paid for by your household?

	NUMBER OF AIR TAXI TRIPS PAID FOR BY THE HOUSEHOLD:	
	Count	%
None	25	25.5%
1-5 trips	27	27.6%
6-10 trips	22	22.4%
11+ trips	24	24.5%

Mean = 9.520

5B. And how much would you estimate your household spent on these ____ air taxi trips?

	AMOUNT SPENT ON AIR TAXI TRIPS:	
	Count	%
None	25	25.5%
\$1-200	30	30.6%
\$201-400	22	22.4%
\$401+	21	21.4%

Mean = \$325.87

6A. The State of Alaska Department of Transportation is exploring the feasibility of building a bridge over the Naknek River between Naknek and South Naknek. Do you support or oppose the construction of this bridge?

	SUPPORT OR OPPOSE CONSTRUCTION OF NAKNEK RIVER BRIDGE:	
	Count	%
Support	152	88.4%
Oppose	16	9.3%
Don't know	4	2.3%

ASK 6B TO 6E ONLY IF THEY SUPPORT OR DON'T KNOW TO 6A...

6B. Would you support or oppose the construction of this bridge if it meant that South Naknek Airport would get closed down, with Naknek Airport remaining open?

	SUPPORT OR OPPOSE CONSTRUCTION OF BRIDGE WITH CLOSING OF SOUTH NAKNEK AIRPORT:	
	Count	%
Support	116	74.4%
Oppose	33	21.2%
Don't know	7	4.5%

- 6C. Would you support or oppose the construction of this bridge if it meant that Naknek Airport would get closed down, with South Naknek Airport remaining open?

	SUPPORT OR OPPOSE CONSTRUCTION OF BRIDGE WITH CLOSING OF NAKNEK AIRPORT:	
	Count	%
Support	89	57.1%
Oppose	59	37.8%
Don't know	8	5.1%

- 6D. Would you support or oppose the construction of this bridge if it meant that Naknek Airport and South Naknek Airport would both get closed down?

	SUPPORT OR OPPOSE CONSTRUCTION OF BRIDGE WITH CLOSING OF BOTH AIRPORTS:	
	Count	%
Support	63	40.4%
Oppose	83	53.2%
Don't know	10	6.4%

- 6E. Would you support or oppose the construction of this bridge if it meant that both Naknek Airport and South Naknek Airport would remain open, but the Bristol Bay Borough would be required to take over maintenance and operation of both airports at a cost of about \$40,000 per year?

	SUPPORT OR OPPOSE CONSTRUCTION OF BRIDGE WITH BOTH AIRPORTS STAYING OPEN:	
	Count	%
Support	106	67.9%
Oppose	33	21.2%
Don't know	17	10.9%

The following questions are for statistical purposes only.

7. Does your household own a private plane?

	OWN A PRIVATE PLANE:	
	Count	%
Yes	26	15.1%
No	146	84.9%

8. In what year were you born?

AGE OF RESPONDENT:			Mean = 48.8
	Count	%	
18-46	82	48.5%	
47+	87	51.5%	

9. Are you married or single?

MARITAL STATUS OR RESPONDENT:		
	Count	%
Married	106	61.6%
Single	66	38.4%

10A. Approximately, what was the total income for all wage earners in your household in 2003, before taxes and other deductions were made?

TOTAL 2003 HOUSEHOLD INCOME OF RESPONDENT:			Mean = \$60,700
	Count	%	
\$0-40,000	41	28.5%	
\$40-80,000	66	45.8%	
\$80,000+	37	25.7%	

11. GENDER...

GENDER OF RESPONDENT:		
	Count	%
Male	93	54.1%
Female	79	45.9%

That completes the survey. I have a telephone number for Ivan Moore Research that you can call with any comments, compliments or complaints. Would you like the number? (907-278-4600)

Thank you very much for your help. Goodbye.

THE FOLLOWING VARIABLE HAS BEEN CALCULATED FROM THE MEASURED DATA:

MARITAL STATUS BY GENDER:		
	Count	%
Married males	50	29.1%
Married females	56	32.6%
Single males	43	25.0%
Single females	23	13.4%

EXECUTIVE SUMMARY

South Naknek profile

Demographics

South Naknek

Average household size - 3 (1.8 adults and 1.2 children)

Median respondent age – 46

Marital status – 31.4 % married

Mean household income - \$32,286

Respondent gender – 77.1% male, 22.1% female

Travel profile

Respondent mean personal roundtrips to Naknek or King Salmon

Mode of travel	Mean roundtrips
Air taxi	30.7
Private plane	3.0
Skiff or boat	23.2
Snowmachine	1.8
Other vehicle	16.4
TOTAL	75.0

Household mean roundtrips to Naknek or King Salmon

Mode of travel	Mean roundtrips
Air taxi	118.4
Private plane	7.1
Skiff or boat	58.9
Snowmachine	5.0
Other vehicle	29.9
TOTAL	219.3

Population data

According to data provided by the Alaska Department of Community and Economic Development, population for the area surveyed is as follows:

Community	Population	Percent
King Salmon	442	36.2%
Naknek	678	55.5%
South Naknek	102	8.3%
TOTAL	1222	100%

This is encouraging since it reflects our survey data distribution almost exactly.

Based on our average household size measured in this survey of 3.0 we can estimate the number of households in South Naknek, as follows:

$$\text{South Naknek households} = 102 / 3.0 = 34$$

Total cross-river travel

Mean travel totals Between South Naknek and Naknek or King Salmon is as follows:

Mode of travel	Total roundtrips
Air taxi	4,144
Private plane	249
Skiff or boat	2,063
Snowmachine	174
Other vehicle	1,046
TOTAL	7,676

It should be noted that these totals reflect **person-trips**, not vehicle-trips.

Air taxi trips

Mean number of household trips by air taxi = 118.4

Households with zero air taxi trips = 2.6% of households

Mean number of air taxi trips by 1+ trip households = $118.4 / (1 - 0.026) = 121.9$

Air taxi trips paid for by household = $(121.9 * 0.872) = 106.3$

Percent of all air taxi trips paid by household = 87.2%

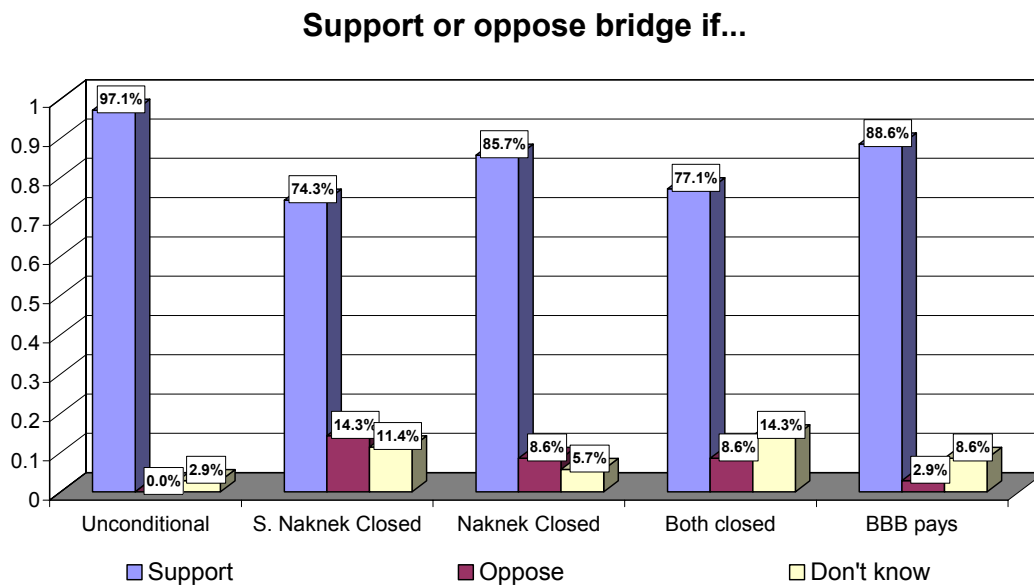
Mean amount paid per household for air taxi travel = \$3,786.32

Mean amount paid per trip = $\$3,786.32 / 106.3 = \35.62

Opinion on bridge

Respondents were asked if they support or oppose the construction of a bridge over the Naknek River under the following conditions:

- 1) Unconditionally
- 2) If South Naknek Airport was closed
- 3) If Naknek Airport was closed
- 4) If both South Naknek and Naknek Airports were closed
- 5) If both airports remained open but Bristol Bay Borough provided maintenance and operation costs



Support for a bridge is very strong, passing almost unanimously. It only fails in the event it results in the closure of both airports.

Public Opinion Survey

This survey of South Naknek residents is being conducted for the State of Alaska Department of Transportation to evaluate public opinions regarding a potential bridge across the Naknek River and travel patterns. Your opinions are important to us, and we'd appreciate your participation by completing this survey. A person who is head of the household should complete this survey form. If you reside in Naknek or King Salmon you should not complete this survey.

1. How many persons aged 19 or over currently live at your residence?

	Number of Persons aged 19 or over		
	Count	%	
1 to 2	28	80.0	Mean = 1.8
3 or more	7	20.0	

2. How many persons aged 18 or under currently live at your residence?

	Number of Persons aged 18 or under		
	Count	%	
None	16	45.7	Mean = 1.2
1	10	28.6	
2	4	11.4	
3 or more	5	14.3	

The main purpose of this survey is to measure your household's travel in the last year across the Naknek River to either King Salmon or Naknek.

3A. How many times in the last 12 months have you traveled roundtrip across the river to Naknek by air taxi?

	Number of personal air taxi trips in the past 12 months		
	Count	%	
None	1	2.9	Mean = 30.7
1-19 trips	11	31.4	
20-39 trips	13	37.1	
40-59 trips	5	14.	
60 + trips	5	14.3	

3C. How many roundtrips did you make in the last 12 months by private plane?

Number of personal private plane trips in the past 12 months			
	Count	%	
None	29	82.9	Mean = 3.0
1-19 trips	3	8.6	
20 + trips	3	8.6	

3D. How many roundtrips by skiff or other type of boat?

Number of personal skiff or boat trips in the past 12 months			
	Count	%	
None	4	11.4	Mean = 23.2
1-9 trips	5	14.3	
10-19 trips	15	42.9	
20 + trips	11	31.4	

3E. How many by snowmachine when the river was frozen?

Number of personal snowmachine trips in the past 12 months			
	Count	%	
None	28	80.0	Mean = 1.8
1-9 trips	2	5.7	
10-19 trips	4	11.4	
20 + trips	1	2.9	

3F. And how many by some other type of vehicle when the river was frozen?

Number of personal trips by other vehicle in the past 12 months			
	Count	%	
None	13	37.1	Mean = 16.4
1-19 trips	11	31.4	
20 + trips	11	31.4	

4A. OK, now I'd like you to think about all the rest of the people in your household starting with the oldest person. OK?

How many roundtrips did this person make across the river by _____?

AIR TAXI

Number of air taxi trips by person 2 in the past 12 months			
	Count	%	
None	7	28.0	Mean = 41.0
1-19 trips	6	24.0	
20-39 trips	7	28.0	
40-59 trips	1	4.0	
60 + trips	4	16.0	

PRIVATE PLANE

Number of private plane trips by person 2 in the past 12 months			
	Count	%	
None	21	84.0	Mean = 2.4
1-19 trips	3	12.0	
20 + trips	1	4.0	

SKIFF OR OTHER BOAT

Number of skiff or boat trips by person 2 in the past 12 months			
	Count	%	
None	9	36.0	Mean = 31.2
1-9 trips	1	4.0	
10-19 trips	5	20.0	
20 + trips	10	40.0	

SNOWMACHINE

Number of snowmachine trips by person 2 in the past 12 months			
	Count	%	
None	21	84.0	Mean = 1.8
1-9 trips	1	4.0	
10-19 trips	2	8.0	
20 + trips	1	4.0	

OTHER VEHICLE

Number of trips by person 2 by other vehicle in the past 12 months			
	Count	%	
None	18	72.0	Mean = 8.0
1-19 trips	3	12.0	
20 + trips	4	16.0	

Now the next oldest person. OK?

AIR TAXI

Number of air taxi trips by person 3 in the past 12 months			
	Count	%	
None	5	31.3	Mean = 46.0
1-19 trips	5	31.3	
20-39 trips	2	12.5	
40-59 trips	1	6.3	
60 + trips	3	18.8	

PRIVATE PLANE

Number of private plane trips by person 3 in the past 12 months			
	Count	%	
None	14	87.5	Mean = 2.2
1-19 trips	1	6.3	
20 + trips	1	6.3	

SKIFF OR OTHER BOAT

Number of skiff or boat trips by person 3 in the past 12 months			
	Count	%	
None	8	50.0	Mean = 12.2
1-9 trips	0	0	
10-19 trips	3	18.8	
20 + trips	5	31.3	

SNOWMACHINE

Number of snowmachine trips by person 3 in the past 12 months			
	Count	%	
None	13	81.3	Mean = 2.1
1-9 trips	1	6.3	
10-19 trips	1	6.3	
20 + trips	1	6.3	

OTHER VEHICLE

Number of trips by person 3 by other vehicle in the past 12 months			
	Count	%	
None	8	50.0	Mean = 11.5
1-19 trips	5	31.3	
20 + trips	3	18.8	

Now the next oldest person. OK?

AIR TAXI

Number of air taxi trips by person 4 in the past 12 months			
	Count	%	
None	4	36.4	Mean = 51.5
1-19 trips	3	27.3	
20-39 trips	1	9.1	
40-59 trips	1	9.1	
60 + trips	2	18.2	

PRIVATE PLANE

Number of private plane trips by person 4 in the past 12 months			
	Count	%	
None	9	81.8	Mean = 2.3
1-19 trips	1	9.1	
20 + trips	1	9.1	

SKIFF OR OTHER BOAT

Number of skiff or boat trips by person 4 in the past 12 months			
	Count	%	
None	7	63.6	Mean = 8.6
1-9 trips	1	9.1	
10-19 trips	1	9.1	
20 + trips	2	18.2	

SNOWMACHINE

Number of snowmachine trips by person 4 in the past 12 months			
	Count	%	
None	13	81.8	Mean = 1.4
1-9 trips	1	9.1	
10-19 trips	1	9.1	
20 + trips	0	0	

OTHER VEHICLE

Number of trips by person 4 by other vehicle in the past 12 months			
	Count	%	
None	6	54.5	Mean = 3.8
1-19 trips	4	36.4	
20 + trips	1	9.1	

Now the next oldest person. OK?

AIR TAXI

Number of air taxi trips by person 5 in the past 12 months			
	Count	%	
None	2	28.6	Mean = 68.9
1-19 trips	2	28.6	
20-39 trips	0	0	
40-59 trips	1	14.3	
60 + trips	2	28.6	

PRIVATE PLANE

Number of private plane trips by person 5 in the past 12 months			
	Count	%	
None	5	71.4	Mean = 3.6
1-19 trips	1	14.3	
20 + trips	1	14.3	

SKIFF OR OTHER BOAT

Number of skiff or boat trips by person 5 in the past 12 months			
	Count	%	
None	3	42.9	Mean = 10.3
1-9 trips	1	14.3	
10-19 trips	2	28.6	
20 + trips	1	14.3	

SNOWMACHINE

Number of snowmachine trips by person 5 in the past 12 months			
	Count	%	
None	5	71.4	Mean = 1.7
1-9 trips	1	14.3	
10-19 trips	1	14.3	
20 + trips	0	0	

OTHER VEHICLE

Number of trips by person 5 by other vehicle in the past 12 months			
	Count	%	
None	2	28.6	Mean = 6.1
1-19 trips	4	57.1	
20 + trips	1	14.3	

Now the next oldest person. OK?

AIR TAXI

Number of air taxi trips by person 6 in the past 12 months			
	Count	%	
None	2	50.0	Mean = 55.0
1-19 trips	0	0	
20-39 trips	0	0	
40-59 trips	1	25.0	
60 + trips	1	25.0	

PRIVATE PLANE

Number of private plane trips by person 6 in the past 12 months			
	Count	%	
None	4	100.0	Mean = 0.0
1-19 trips	0	0	
20 + trips	0	0	

SKIFF OR OTHER BOAT

Number of skiff or boat trips by person 6 in the past 12 months			
	Count	%	
None	2	50.0	Mean = 15.0
1-9 trips	0	0	
10-19 trips	1	25.0	
20 + trips	1	25.0	

SNOWMACHINE

Number of snowmachine trips by person 6 in the past 12 months			
	Count	%	
None	3	75.0	Mean = 0.5
1-9 trips	1	25.0	
10-19 trips	0	0	
20 + trips	0	0	

OTHER VEHICLE

Number of trips by person 6 by other vehicle in the past 12 months			
	Count	%	
None	3	75.0	Mean = .5
1-19 trips	1	25.0	
20 + trips	0	0	

Now the next oldest person. OK?

AIR TAXI

Number of air taxi trips by person 7 in the past 12 months			
	Count	%	
None	3	75.0	Mean = 10.0
1-19 trips	0	0	
20-39 trips	0	0	
40-59 trips	1	25.0	
60 + trips	0	0	

PRIVATE PLANE

Number of private plane trips by person 7 in the past 12 months			
	Count	%	
None	4	100.0	Mean = 0.0
1-19 trips	0	0	
20 + trips	0	0	

SKIFF OR OTHER BOAT

Number of skiff or boat trips by person 7 in the past 12 months			
	Count	%	
None	3	75.0	Mean = 12.5
1-9 trips	0	0	
10-19 trips	0	0	
20 + trips	1	25.0	

SNOWMACHINE

Number of snowmachine trips by person 7 in the past 12 months			
	Count	%	
None	3	75.0	Mean = 0.5
1-9 trips	1	25.0	
10-19 trips	0	0	
20 + trips	0	0	

OTHER VEHICLE

Number of trips by person 7 by other vehicle in the past 12 months			
	Count	%	
None	4	100.0	Mean = 0.0
1-19 trips	0	0	
20 + trips	0	0	

THE FOLLOWING VARIABLES HAVE BEEN CALCULATED FROM THE MEASURED DATA

Total air taxi trips			
	Count	%	
None	24	22.9	Mean = 39.5
1-19 trips	29	27.6	
20-39 trips	23	21.9	
40-59 trips	11	10.5	
60 + trips	17	16.2	

Total private plane trips			
	Count	%	
None	86	81.9	Mean = 2.4
1-19 trips	9	8.6	
20 + trips	7	6.7	

Total skiff or boat trips			
	Count	%	
None	36	34.3	Mean = 19.6
1-9 trips	8	7.6	
10-19 trips	27	25.7	
20 + trips	31	29.5	

Total snowmachine trips			
	Count	%	
None	82	78.1	Mean = 1.7
1-9 trips	8	7.6	
10-19 trips	9	8.6	
20 + trips	3	2.9	

Total other vehicle trips			
	Count	%	
None	0	0.0	Mean = 10.0
1-19 trips	0	0.0	
20 + trips	0	0.0	

Total household trips			
	Count	%	
None	1	2.9	Mean = 219.3
1-50 trips	10	28.6	
51-100 trips	8	22.9	
101-200 trips	6	17.1	
201-400 trips	4	11.4	
401-1000 trips	5	14.3	
1000+ trips	1	2.9	

5A. OK, you reported a total of ___ trips made by your household by air taxi. How many of these trips would you estimate were paid for by your household?

Number of Air Taxi Trips Paid for by Household			
	Count	%	
None	1	2.9	Mean = 66.16
1-5 trips	3	8.6	
6-10 trips	4	11.4	
11-20 trips	7	20.0	
21-50 trips	9	25.7	
51-100 trips	3	8.6	
101-200 trips	6	17.1	
201+ trips	2	5.7	
Total	35	100.0	

5B. And how much would you estimate your household spent on these ___ air taxi trips?

Amount Spent on Air Taxi Trips			
	Count	%	
None	1	2.9	
\$1-200	2	5.7	
\$201-400	6	17.1	
\$401-1000	10	28.6	
\$1001-2000	3	8.6	
\$2001-5000	5	14.3	
\$5001-10000	5	14.3	
\$10001+	2	5.7	
Don't know	1	2.9	
Total	35	100.0	Mean= \$3,786

6A. The State of Alaska Department of Transportation is exploring the feasibility of building a bridge over the Naknek River between Naknek and South Naknek. Do you support or oppose the construction of this bridge?

Support or Oppose Construction of Naknek River Bridge		
	Count	%
Support	34	97.1
Oppose	0	0.0
Don't know	1	2.9
Total	35	100.0

6B. Would you support or oppose the construction of this bridge if it meant that South Naknek Airport would get closed down, with Naknek Airport remaining open?

Support or Oppose Construction of Bridge with Closing of South Naknek Airport		
	Count	%
Support	26	74.3
Oppose	5	14.3
Don't know	4	11.4
Total	35	100.0

6C. Would you support or oppose the construction of this bridge if it meant that Naknek Airport would get closed down, with South Naknek Airport remaining open?

Support or Oppose Construction of Bridge with Closing of Naknek Airport		
	Count	%
Support	30	85.7
Oppose	3	8.6
Don't know	2	5.7
Total	35	100.0

6D. Would you support or oppose the construction of this bridge if it meant that Naknek Airport and South Naknek Airport would both get closed down?

Support or Oppose Construction of Bridge with Closing of Both Airports		
	Count	%
Support	27	77.1
Oppose	3	8.6
Don't know	5	14.3
Total	35	100.0

6E. Would you support or oppose the construction of this bridge if it meant that both Naknek Airport and South Naknek Airport would remain open, but the Bristol Bay Borough would be required to take over maintenance and operation of both airports at a cost of about \$40,000 per year?

Support or Oppose Construction of Bridge with Both Airports Staying Open		
	Count	%
Support	31	88.6
Oppose	1	2.9
Don't know	3	8.6
Total	35	100.0

The following questions are for statistical purposes only.

7. Does your household own a private plane?

Own a Private Plane		
	Count	%
Yes	31	88.6
No	3	8.6
Blank	1	2.9
Total	35	100.0

8. What age group are you in? (Table compiled using answers to question on year of birth).

Age of Respondent		
	Count	%
18-46	17	48.6
47+	16	45.7
Don't know	2	5.7
Total	35	100.0

Mean = 48

9. Are you married or single?

	Marital Status of Respondent	
	Count	%
Married	11	31.4
Single	22	62.9
No response	2	5.7
Total	35	100.0

10A. Approximately, what was the total income for all wage earners in your household in 2003, before taxes and other deductions were made?

	Total 2003 Household Income of Respondent	
	Count	%
\$0-11,000	12	34.3
\$11-22,000	5	14.3
\$22-40,000	7	20.0
\$40-60,000	4	11.4
\$60-80,000	4	11.4
\$80-100,000	3	8.6
Total	35	100.0

11. GENDER

	Gender of Respondent	
	Count	%
Male	27	77.1
Female	8	22.9
Total	35	100.0

That completes the survey.

Thank you very much for your help.